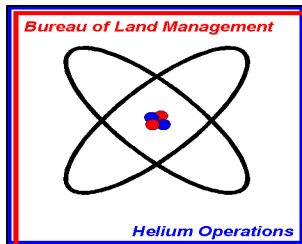


# Bureau of Land Management

## Amarillo Field Office Helium Operations

Statistical Report  
for  
March - 2002



### *Distribution:*

Fluid Minerals Group Manager, Washington Office  
New Mexico State Director  
Associate State Director  
Petroleum Engineer  
Field Manager, Amarillo Field Office  
Division Chiefs (3)  
Team Leaders  
-Federal Leased Lands  
-Gas Analysis  
-Resources Evaluation  
-Natural Gas Engineering

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Amarillo, Texas

Issued: June 25, 2002

*\* Revised \**

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Approved for distribution: Nelson R. Bullard /s/

Date: 04/25/2002

**Table 1 - Summary of Helium Operations**
**March - 2002**

<b>In Kind Sales</b>	<b>NASA*</b>	<b>Navy*</b>	<b>Army*</b>	<b>Air Force*</b>	<b>DOE*</b>	<b>Other Fed*</b>	<b>Subtotal*</b>	<b>In Kind</b>	<b>Charges Billed (\$)**</b>
Total month	29,416	116	0	5,829	9,633	5,392	50,385	49,604	\$2,554,507
Total FYTD	80,813	583	0	15,053	19,852	13,635	129,935	127,922	\$6,460,500
Total CYTD	29,416	116	0	5,829	9,633	5,392	50,385	49,604	\$2,554,507

<b>In Kind Transfers</b>	<b>Month</b>	<b>FYTD</b>	<b>CYTD</b>	<b>Cumulative</b>
Transferred	607	102,819	39,055	821,309
Volume outstanding	88,867			

<b>Purchased Helium</b>	<b>Helium-Gas Mixture</b>	<b>Month Helium Percent</b>	<b>Helium</b>	<b>Low Purity Helium</b>	<b>FYTD</b>	<b>Month</b>	<b>FYTD</b>	<b>FYTD</b>	<b>CYTD</b>	<b>Cumulative</b>
Total purchased										32,176,145
Purchased helium produced / transferred			607					102,819	39,055	2,806,649
Balance of purchased helium in storage										29,369,496
<b>Private Plant Activity</b>										
Accepted in storage system	67,166	68.71%	46,149	1,189	4,894	(227)	(1,131)	333,218	151,458	6,869,097
Redelivered from storage system	(260,444)	67.86%	(176,739)	0	0	0	129	(1,009,186)	(488,837)	(8,642,489)
Total apparent crude produced^	191,587	70.34%	134,756					804,907	396,053	NA
Total apparent crude refined^	(329,861)	68.97%	(227,505)					(1,287,595)	(634,357)	NA

Storage Contract Activity	Metered Gas					Transferred Gas		Stored	Charges Billed	
	Gross Gas	Helium	Helium			Helium		Helium	Dollars**	
	Month		FYTD	CYTD	Cumulative	Month	Cumulative	EOM	Month	FYTD
Crude Acquired	65,808	45,922	332,087	150,676	24,245,297	134,939	24,311,905			
Crude Disposed	260,384	176,739	1,009,057	488,804	20,468,205	134,332	23,490,327			
Grade-A Rdlvrd	0	0	0	0	1,427,554	0	0			
Net/Balance	(194,576)	(130,817)	(676,970)	(338,128)	2,349,538	607	821,578	2,477,270	\$293,036	\$1,288,092

Bush Dome Reservoir Operations	Month		Fiscal Year		Since Start of		Since	
					Conservation Program		Field Discovery	
	Gross	Net	Gross	Net	Gross	Net	Gross	Net
Conservation gases from all sources								
In underground storage, beg. of period	44,296,928	31,942,991	45,066,384	32,502,687	490,620	490,620	0	0
Net Activity	(176,411)	(129,709)	(945,867)	(689,405)	43,629,897	31,322,662	44,120,517	31,813,282
Total in underground storage	44,120,517	31,813,282	44,120,517	31,813,282	44,120,517	31,813,282	44,120,517	31,813,282

<b>Native Gas</b>	<b>Month</b>	<b>Fiscal Year</b>	<b>Since Start of</b>	<b>Since</b>
			<b>Conservation Program</b>	<b>Field Discovery</b>
			<b>Gross</b>	<b>Net</b>
			<b>Gross</b>	<b>Net</b>
Total in place, beg. of period	208,816,971	208,866,427	265,724,755	318,727,000
Net Activity	(14,533)			
Total in place, end of month	208,802,438			

<b>Native Gas plus Conservation Gases</b>	<b>Month</b>	<b>Fiscal Year</b>	<b>Since Start of</b>	<b>Since</b>
			<b>Conservation Program</b>	<b>Field Discovery</b>
			<b>Gross</b>	<b>Net</b>
			<b>Gross</b>	<b>Net</b>
Total gases in place, beg. of period	253,113,899	253,932,811	266,215,375	318,727,000
Net Activity	(190,944)	(1,009,856)	(13,292,420)	(65,804,045)
Total gases in place, end of month	252,922,955	252,922,955	252,922,955	252,922,955

<b>Helium Resources Evaluation</b>	<b>Month</b>	<b>FYTD</b>
Revenue Collected from Federal Lease Holds	\$417,872	\$2,487,200
Helium Sample Collection Report	<b>Submitted</b> 11	<b>Received</b> 0
Estimated U.S. Helium Reserves	323,000,000	<b>Analyzed</b> 0

<b>Customer Comment Cards Mailed</b>	<b>Month</b>	<b>FYTD</b>
	0	0

\* Volumes in Mcf at 14.7 psia & 70°F; all other volumes in 14.65 psia & 60°F

\*\*Rounded to nearest dollar

^ Other sources of helium are accessed but data are not available

**Table 5 - Pipeline & Cliffside Field Operations**  
**All Volumes in Mcf at 14.65 psia & 60°F**

**March - 2002**

	1	2	3	4	5	6	7	8
	Month		Fiscal Year		Since Start of Conservation Program		Since Field Discovery	
	Gross	Net	Gross	Net	Gross	Net	Gross	Net
<b>Conservation Pipeline</b>								
Beginning of period inventory (1)	38,117	26,682	39,161	27,413	0	0		
Measured to pipeline (2)	254,628	176,058	1,474,964	1,023,395	106,534,943	76,192,222		
Measured from pipeline (3)	260,444	176,740	1,464,579	1,009,192	40,855,413	29,225,153		
Measured into Bush Dome (4)	0	0	0	0	64,353,584	46,235,012		
Calculated inventory (1+2-3-4)	32,301	26,000	49,546	41,616	1,325,946	732,057		
End of period inventory	39,746	27,823	39,746	27,823	39,746	27,823		
Line gain or (loss)	7,445	1,822	(9,800)	(13,793)	(1,286,200)	(704,234)		
Percent gain (loss) of total measured	1.445%	0.517%	-0.333%	-0.679%	-0.607%	-0.464%		
<b>Bush Dome Reservoir Operations</b>								
<b>Conservation gases from all sources</b>								
In underground storage, beg. of period	44,296,928	31,942,991	45,066,384	32,502,687	490,620	490,620	0	0
Injected during period to date	0	0	0	0	64,353,855	46,234,973	64,961,755	46,842,873
Withdrawn during period to date	176,411	129,709	945,867	689,405	20,770,107	14,958,460	20,887,387	15,075,740
Helium from Exell-Soncy	0	0	0	0	46,149	46,149	46,149	46,149
Total in underground storage	44,120,517	31,813,282	44,120,517	31,813,282	44,120,517	31,813,282	44,120,517	31,813,282
<b>Native Gas</b>								
Total in place, beg. of period	208,816,971		208,866,427		265,724,755		318,727,000	
Recoverable in place, beg. of period	199,765,971		199,815,427		256,673,755		309,676,000	
Production during period to date	14,533		63,989		56,922,317		109,924,562	
Total in place, end of month	208,802,438		208,802,438		208,802,438		208,802,438	
Recoverable in place, end of month	199,751,438		199,751,438		199,751,438		199,751,438	
<b>Native Gas plus Conservation Gases</b>								
Total gases in place, beg. of period	253,113,899		253,932,811		266,215,375		318,727,000	
Total gases in place, end of month	252,922,955		252,922,955		252,922,955		252,922,955	
Change during period	(190,944)		(1,009,856)		(13,292,420)		(65,804,045)	
<b>Ave. reservoir pressure, beg. of period</b>	663.8		666.3		685.0		814.1	
<b>Tuck Trigg Reservoir Operations</b>								
<b>Native Gas</b>								
Total in place, beg. of period	5,206,471		5,206,471				5,890,000	
Recoverable in place, beg. of period	4,536,471		4,536,471				5,220,000	
Production during period to date	0		0				683,529	
Total in place, end of month	5,206,471		5,206,471				5,206,471	
Recoverable in place, end of month	4,536,471		4,536,471				4,536,471	
<b>Ave. reservoir pressure, beg. of period</b>	484.4		484.4				548.0	
<b>Natural Gas Sales</b>								
<b>Compressor Operation</b>								
			<b>Totals</b>		<b>Revenue \$</b>		<b>Cumulative</b>	
			<b>Month</b>	<b>FYTD</b>	<b>Month</b>	<b>FYTD</b>	<b>12/01/2000</b>	
March - 2002 NGI Mainline Spot Gas Fuel Price	per/MMBTU		\$2.37	----	----	----	----	
Amount of Fuel used for the month	total MMBTU		2,850.69	16,192.59	----	----	42,106.42	
Natural Gas Purchased for Fuel	\$dollars		----	----	\$6,756.13	\$35,847.74	\$147,588.80	
#1 Compressor	hours run		442	2,810	----	----	8,800	
#2 Compressor	hours run		162	997	----	----	997	
#3 Compressor	hours run		129	464	----	----	464	